

ABSTRACT OF THE DISCLOSURE

A node for a telecommunications network has a segmentation and reassembly module (SAR module) to perform segmentation and reassembly (SAR) on cells received by the node, the SAR module particularly providing Virtual Channel Identifier (VCI) and
5 Virtual Path Identifier (VPI) translation (referred to as VCI/VPI translation), and has a direct memory access (DMA) mechanism for a storage external to the SAR module, the SAR module performing a first DMA access when the VCI/VPI translation are representative of an error code correcting (ECC) procedure to be carried out in the node, and the SAR module performing a second DMA access when the VCI/VPI translation corresponds to a message that does not require a local ECC procedure. A coder/decoder
10 module performs an ECC procedure on the cells. A controller controls the coder/decoder module to perform an error correcting procedure in response to the detection of the first DMA access. The first DMA access uses a first address and the second DMA uses a second address. A Reed-Solomon coder-decoder or a Hamming coder-decoder may be used
15 to perform the ECC procedure. An address decoder interprets the VCI/VPI identifiers to control whether or not an ECC procedure is done.